

## **Compiler lab - 5**

**Time: 2Hours for implementation**

### **Problem Statement:**

a. Write a C program to identify LR(0) canonical items and produce LR(1) (SLR) parsing table.

$E \rightarrow E + T \mid T$

$T \rightarrow T * F \mid F$

$F \rightarrow (E) \mid id$

Two levels of output:

1. LR(0) set of items
2. Parsing Table